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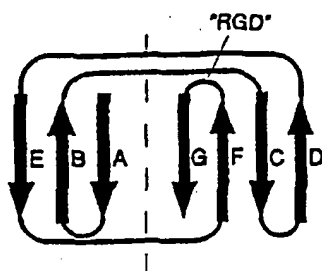
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For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

(54) Title: ARTIFICIAL ANTIBODY POLYPEPTIDES



Fibronectin type III

(57) Abstract: The present invention provides a fibronectin type III (Fn3) mole-  
cule, wherein the Fn3 contains a stabilizing mutation. The present invention also  
provides Fn3 polypeptide monobodies, nucleic acid molecules encoding mono-  
bodies, and variegated nucleic acid molecules encoding monobodies, and varie-  
gated nucleic acid libraries encoding such monobodies. Also provided are meth-  
ods of preparing a Fn3 polypeptide monobody, and kits to perform the methods.

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## INTERNATIONAL SEARCH REPORT

Internal Application No

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**1. CLASSIFICATION OF SUBJECT MATTER**  
 LDC B 20741-176

IPC 7	C07K14/78 //C 07K16/00	C12N15/12	C12N15/70	C12N1/21	C12N15/10
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According to International Patent Classification (IPC) or to both national classification and IPC

### 3. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
 TPC 7 607K

IPC 7 C07K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

BIOSIS, EMBASE, WPI Data, PAJ, EPO-Internal

### 3. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °

Citation of document, with indication, where appropriate, of the relevant passages

Relevant to claim No.

X WO 98 56915 A (RESEARCH CORPORATION  
TECHNOLOGIES)  
17 December 1998 (1998-12-17)  
example XVII, especially page 54, lines  
14-15  
claims

1-50

WO 00 34784 A (PHYLOS, INC.)  
15 June 2000 (2000-06-15)  
the whole document

1-50

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X Further documents are listed in the continuation of box C

☐ Patent family members are listed in annex.

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## INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 01/21855

## 3. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>E. BIANCHI ET AL. : "High level expression and rational mutagenesis of a designed protein, the minibody." JOURNAL OF MOLECULAR BIOLOGY, vol. 236, 1994, pages 649-659, XP000965177 London, GB cited in the application abstract ---</p>	1-50
A	<p>A. KOIDE ET AL. : "The fibronectin type III domain as a scaffold for novel binding proteins." JOURNAL OF MOLECULAR BIOLOGY, vol. 284, no. 4, 11 December 1998 (1998-12-11), pages 1141-1151, XP002944100 London, GB the whole document -----</p>	1-50

Patent document cited in search report		Publication date	Patent family member(s)	Publication date